

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Rentaro KATO, et al.

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: SHOCK ABSORBER FOR VEHICLES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AO (JP 2001-132787) on Form PTO- 1449:

This reference is discussed on page 1, 2, and 13 of the specification.

Reference AP (JP 2003-231796) on Form PTO- 1449:

Japanese Unexamined Patent Publication (KOKAI) No. 2003-231796 discloses a thermoplastic resin composition which is excellent in rolling, drawing, deep drawing and form setting abilities at ordinary temperature, and also excellent in toughness, impact resistance, rigidity and strength.

The thermoplastic resin composition is obtained by preparing a mixture substance containing (A) 50 to 90 parts by weight of polyester resin, (B) 50 to 10 parts by weight of polycarbonate resin (the total of (A) and (B) are 100 parts by weight), (C) 5 to 100 parts by weight of a block copolymer which has a block containing at least one vinyl aromatic compound polymer and a block containing at least one conjugate diene compound polymer and (D) 0.1 to 5 parts by weight of multifunctional isocyanate compound, and kneading the mixture by using a shear kneading apparatus at the temperature which is not lower than room temperature and less than the fusing point of the polyester resin.

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STATEMENT OF RELEVANCY

Reference AQ (JP 2003-183486) on Form PTO- 1449:

Japanese Unexamined Patent Publication (KOKAI) No. 2003-183486 discloses a waste PET resin composition which is obtained by processing a PET pulverized product such as a spent waste PET bottle and the like into crystalline PET which is excellent in injection moldability and is not deteriorated by hydrolysis.

The waste PET resin composition is obtained by unfused shear kneading a PET pulverized product of spent waste PET product or the PET pulverized product with a filler by using a kneading apparatus at temperatures of from 20 to 220 °C. When the rising temperature of the waste PET resin composition is measured by a differential scanning calorimeter, heating peak caused by crystallization of PET is not appeared.

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STATEMENT OF RELEVANCY

Reference AR (JP 2003-213112) on Form PTO- 1449:

Japanese Unexamined Patent Publication (KOKAI) No. 2003-213112 discloses a waste PET resin composition which is obtained by using a pulverized product of PET product such as a spent waste PET bottle and the like, and which is suitable for extrusion molding and is excellent in mechanical properties.

The thermoplastic resin composition is obtained by kneading (A) 100 parts by weight of a PET pulverized product of spent waste PET product, (B) 3 to 60 parts by weight of polyolefine resin, (C) 2 to 80 parts by weight of a block copolymer which has a block comprising at least one vinyl aromatic compound polymer and a block comprising at least one conjugate diene compound polymer and (D) 1 to 50 parts by weight of multilayered polymer in which an olefine copolymer containing epoxy radical and vinyl (co) polymer are grafting copolymerized, by using a kneading apparatus at the temperature which is not lower than the fusing point of polyolefine resin and less than the fusing point of the PET pulverized product.

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STATEMENT OF RELEVANCY

Reference AS (JP 2003-221498) on Form PTO- 1449:

Japanese Unexamined Patent Publication (KOKAI) No. 2003-221498 discloses a waste PET resin composition which is obtained by using a pulverized product of PET product such as a spent waste PET bottle and the like, and which is suitable for extrusion molding and is excellent in mechanical properties.

The thermoplastic resin composition is obtained by kneading (A) 100 parts by weight of a PET pulverized product of spent waste PET product, (B) 1 to 100 parts by weight of a block copolymer which has a block comprising at least one vinyl aromatic compound polymer and a block comprising at least one conjugate diene compound polymer and (C) 0 to 50 parts by weight of multilayered polymer in which an olefine copolymer containing epoxy radical and vinyl (co)polymer are grafting copolymerized, by using a kneading apparatus at the temperature which is not lower than room temperature and less than the fusing point of the PET pulverized product.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
244555US3SERIAL NO.
New Application

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Rentaro KATO, et al.FILING DATE
Herewith

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	2001-132787	05/18/01	Japan (with English Abstract)		x
	AP	2003-231796	08/19/03	Japan		x
	AQ	2003-183486	07/03/03	Japan		x
	AR	2003-213112	07/30/03	Japan		x
	AS	2003-221498	08/05/03	Japan		x
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.